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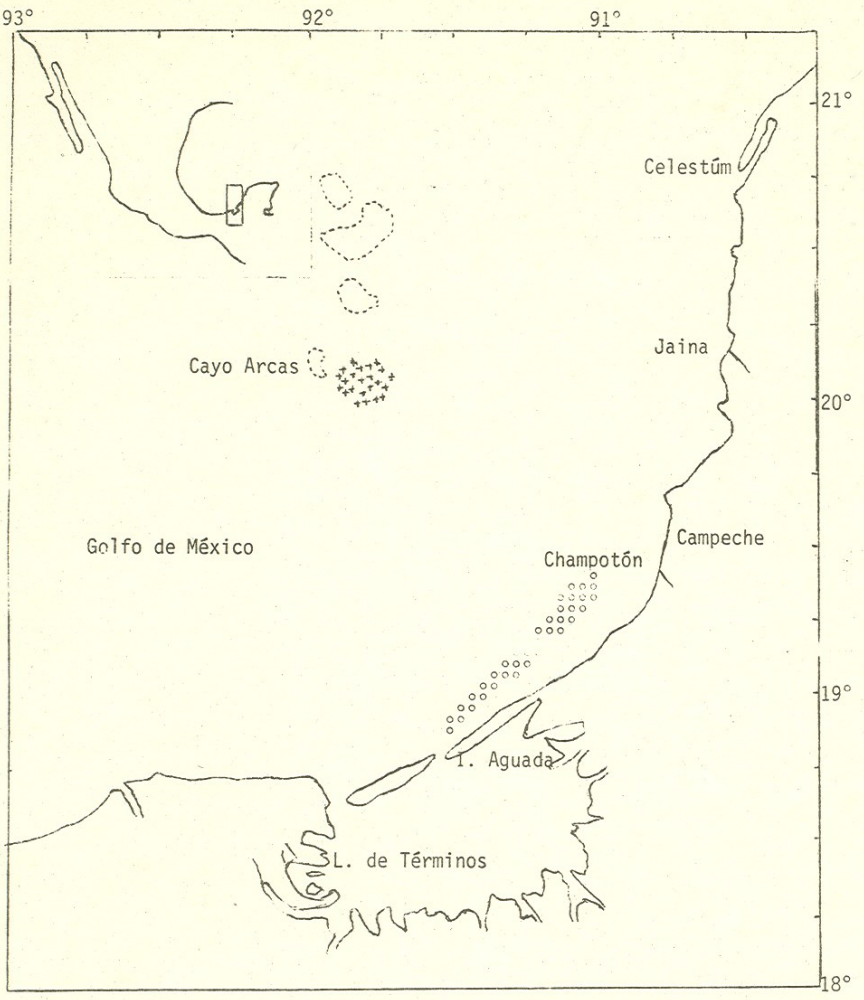


Figura 1.- Localizacion de las zonas de colecta de organismos

Tabla I. Características físicas y químicas del agua de mar registradas en: (A), el sitio de colecta; (B), durante el periodo de aclimatación y del bioensayo de adultos y (C), durante el cultivo y bioensayo de larvas del camarón rosa Penaeus duorarum.

| Características Fisicoquímicas | | A | B | C |
|---|---|---|---|---|
| Temperatura | °C | 26.0 | 26.0 ± 2.0 | 28.0 ± 2.0 |
| Salinidad | °/oo | 35.0 | 35.0 | 35.0 |
| Oxígeno disuelto | ppm | 5.0 | >4.0 | >4.0 |
| pH | | 7.8 | 8.0 ± 0.5 | 8.0 ± 0.5 |

Tabla II Rectas de regresión utilizadas para el cálculo de $CL_{50}$ de Penaeus duorarum. Coeficientes de correlación (r), determinación ($r^2$) y significancia de r, obtenidos considerando los grados de libertad, para los diferentes estadios y sustancias de prueba.

| Estadio/Sustancia | Ecuación de la recta* | Coeficiente de correlación (r) | Grados de libertad (n-2) | Significancia de (r) | Ajuste de la recta ($r^2$) |
|---|---|---|---|---|---|
| Nauplio/Petróleo | y= 4.3692+(0.1622 log n x) | 0.619 | 43 | 99.9% | 38% |
| Nauplio/Dispersante | y= 2.5100+(0.1684 log n x) | 0.696 | 36 | 99.9% | 48% |
| Nauplio/Mezcla | y= 2.2605+(0.7877 log n x) | 0.819 | 25 | 99.9% | 67% |
| Protozoea/Petróleo | y= 3.6179+(0.4242 log n x) | 0.700 | 16 | 99% | 49% |
| Protozoea/Dispersante | y= 2.6616+(0.9741 log n x) | 0.753 | 31 | 99.9% | 57% |
| Protozoea/Mezcla | y= 2.3258+(0.7994 log n x) | 0.870 | 34 | 99.9% | 76% |
| Mysis/Petróleo | y= 3.0197+(0.3147 log n x) | 0.718 | 70 | 99.9% | 51% |
| Mysis/Dispersante | y= 2.0871+(1.0514 log n x) | 0.826 | 61 | 99.9% | 68% |
| Mysis/Mezcla | y= 1.4545+(0.7048 log n x) | 0.846 | 52 | 99.9% | 71% |
| Postlarva/Petróleo | y= 2.8471+(0.3894 log n x) | 0.813 | 43 | 99.9% | 66% |
| Postlarva/Dispersante | y= 2.2130+(0.9554 log n x) | 0.685 | 34 | 99.9% | 47% |
| Postlarva/Mezcla | y= 1.6340+(0.7070 log n x) | 0.774 | 31 | 99.9% | 60% |
| Adulto/Petróleo | y= 0.2760+(0.7950 log n x) | 0.785 | 22 | 99.9% | 62% |
| Adulto/Dispersante | y= 2.0767+(0.5658 log n x) | 0.711 | 25 | 99.9% | 50% |
| Adulto/Mezcla | y= 0.0523+(0.8622 log n x) | 0.738 | 31 | 99.9% | 54% |

*El porcentaje de mortalidad está convertido a unidades probit.

Tabla III. Concentraciones letales medias ($CL_{50}$), calculadas para cada estadio de camarón rosa Penaeus duorarum, con intervalos de confianza (95%), superior e inferior, usando el método de Litchfield y Wilcoxon, 1949.

| Estadios | | Petróleo Akal-C (ppm) | Corexit 9527 (ppm) | Mezcla petróleo-dispersante (ppm) |
|---|---|---|---|---|
| Nauplio | $CL_{50}$ 18 h | 49 | 8 | 32 |
| | | (99-24) | (9-7) | (42-24) |
| Protozoea | $CL_{50}$ 24 h | 26 | 11 | 28 |
| | | (48-14) | (13-9) | (36-22) |
| Mysis | $CL_{50}$ 24 h | 540 | 16 | 153 |
| | | (768-380) | (18-14) | (192-122) |
| Postlarva | $CL_{50}$ 96 h | 252 | 18 | 117 |
| | | (380-167) | (22-15) | (151-91) |
| Adulto | $CL_{50}$ 96 h | 381 | 175 | 311 |
| | | (550-264) | (308-99) | (410-236) |

Tabla IV. Indices de Toxicidad (IT), calculados a partir de las $CL_{50}$ de las pruebas con petróleo.

| Estadio | IT (ppm/día) | Intervalos de confianza de los IT |
|---|---|---|
| Nauplio | 37 | 18 — 74 |
| Protozoea | 26 | 14 — 48 |
| Mysis | 540 | 380 — 768 |
| Postlarva | 1008 | 668 — 1520 |
| Adulto | 1524 | 1056 — 2200 |

Tabla IV. Indices de Toxicidad (IT), calculados a partir de las $CL_{50}$ de las pruebas con petróleo.

| Estadio | IT (ppm/día) | Intervalos de confianza de los IT |
|---|---|---|
| Nauplio | 37 | 18 — 74 |
| Protozoea | 26 | 14 — 48 |
| Mysis | 540 | 380 — 768 |
| Postlarva | 1008 | 668 — 1520 |
| Adulto | 1524 | 1056 — 2200 |

Tabla V. Indices de Toxicidad (IT), calculados a partir de las $CL_{50}$ de las pruebas con dispersante

| Estadio | IT (ppm/día) | Intervalos de confianza de los IT |
|---|---|---|
| Nauplio | 6 | 5 – 7 |
| Protozoea | 11 | 9 – 13 |
| Mysis | 16 | 14 – 18 |
| Postlarva | 72 | 60 – 88 |
| Adulto | 700 | 396 – 1232 |

Tabla VI. Indices de Toxicidad (IT), calculados a partir de las $CL_{50}$ de las pruebas con la mezcla petróleo-dispersante.

| Estadio | (ppm/día) | Intervalos de confianza de los IT |
|---|---|---|
| Nauplio | 24 | 18 — 31 |
| Protozoea | 28 | 22 — 36 |
| Mysis | 153 | 122 — 192 |
| Postlarva | 463 | 364 — 604 |
| Adulto | 1244 | 944 — 1640 |